

BROADBAND PROPAGATION

Antenna Design & Supply

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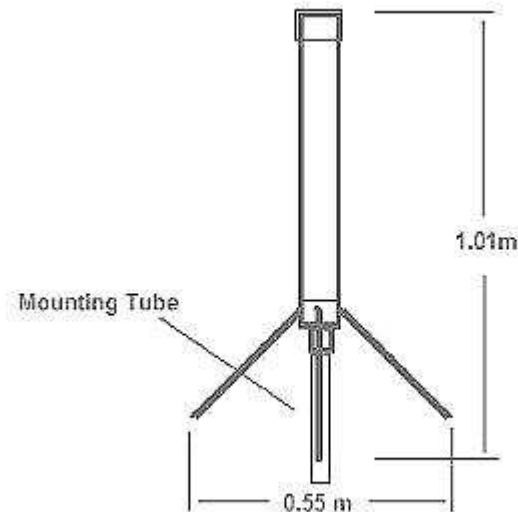
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VHF GROUND TO AIR ANTENNA

Model: BPV-AIR-115-140



Designed for the aeronautical VHF band the BPV-AIR 115-140 is a compact vertically polarised antenna which operates in the frequency range of 115-140 Mhz with power handling of 100 watts continuous CW or 400 watts PEP. Antenna radiating elements are radome protected.

It is fully environmentally protected against UV, corrosion, water ingress, dust/ sand abrasion and fungal attack, and offers reliable, long life operation in all environments from the tropics to Antarctica.

The antenna includes a ground radial system and is tube mounted

ALL external components are DC grounded to provide lightning and static discharge protection.

Specifications

Frequency:	115-140 MHz
Gain:	1-3 dBi across band
VSWR:	Maximum 2:1 across band
Horizontal Pattern:	Omnidirectional
Polarisation:	Vertical
Power Rating :	100 watts average (CW continuous) 400 watts PEP
Input Impedance:	50 ohms
Input connection:	N type Female
Overall length:	1.01m
Overall Width:	550 mm (ground-plane diameter)
Wind Rating	230 km/hr
Weight:	3.1 kg
Mounting:	Mounts to any circular spigot or tube 35 -50mm Diameter